	U	1	Document ID	Issue Date	Pages
1			US 6314409 B1	20011106	50
2			US 6285774 B1	20010904	54
3			US 5933498 A	19990803	51

	Title	Current OR
1	System for controlling access and distribution of digital property	705/54
2	System and methodology for tracing to a source of unauthorized copying of prerecorded proprietary material, such as movies	382/100
3	System for controlling access and distribution of digital property	705/54

	Current XRef	Retrieval Classif	Inventor	S
	380/259;			
	380/287;			
	380/59;			
	705/57;			
1	713/182;		Schneck, Paul B. et al.	☒
	713/189;		•	
	713/193;			
	713/194;			
	713/200			
2	380/202		Schumann, Robert W. et al.	×
3			Schneck, Paul B. et al.	×

	С	P	2	3	4	5	lmage Doc. Displayed	РТ
1							US 6314409	
2							US 6285774	
3							US 5933498	

	U	1	Document ID	Issue Date	Pages
1			US 6373950 B1	20020416	135
2			US 6363363 B1	20020326	125 [*]
3			US 6324525 B1	20011127	151
4			US 6304915 B1	20011016	124
5			US 6253027 B1	20010626	130

	Title	Current OR
1	System, method and article of manufacture for transmitting messages within messages utilizing an extensible, flexible architecture	380/255
2	System, method and article of manufacture for managing transactions in a high availability system	705/40
3	Settlement of aggregated electronic transactions over a network	705/40
4	System, method and article of manufacture for a gateway system architecture with system administration information accessible from a browser	709/250
5	System, method and article of manufacture for exchanging software and configuration data over a multichannel, extensible, flexible architecture	380/287

	Current XRef	Retrieval Classif	Inventor	s
1	380/43; 380/59; 705/64		Rowney, Kevin T. B.	
2	705/26; 705/27; 705/77; 709/203; 709/230; 709/245; 709/249; 709/250		Haller, Daniel R. et al.	×
3			Kramer, Glenn A. et al.	×
4	709/217; 709/230		Nguyen, Trong et al.	\boxtimes
5	705/26; 705/50; 713/150; 713/151; 713/164; 713/168; 713/175; 713/180; 713/200; 713/201		Weber, Jay C. et al.	⊠

	С	P	2	3	4	5	lmage Doc. Displayed	РТ
1							US 6373950	
2							US 6363363	
3							US 6324525	
4							US 6304915	
5							US 6253027	

	U	1	Document ID	Issue Date	Pages
6			US 6178409 B1	20010123	132
7			US 6163772 A	20001219	123
8			US 6119105 A	20000912	151
9			US 6072870 A	20000606	125

	Title	Current OR
6	System, method and article of manufacture for multiple-entry point virtual point of sale architecture	705/79
7	Virtual point of sale processing using gateway-initiated messages	705/79
8	System, method and article of manufacture for initiation of software distribution from a point of certificate creation utilizing an extensible, flexible architecture	705/39
9	System, method and article of manufacture for a gateway payment architecture utilizing a multichannel, extensible, flexible architecture	705/79

	Current XRef	Retrieval Classif	Inventor	S
	380/255;			
	380/287;			
	705/26;			
	705/39;			
	705/40;			
	705/44;			
6	705/76;			
	705/77;		Weber, Jay C. et al.	
	713/150;			
	713/153;			
	713/155;			
	713/156;			
	713/168;			
	713/175			
	705/78;			
7	709/224;		Kromer Clean A et al	\boxtimes
	709/249;		Kramer, Glenn A. et al.	
	713/153			
8	705/26; 705/44		Williams, Humphrey	×
	705/26;			
	705/35;			
	705/39;			
9	705/40;		Nguyen, Trong et al.	×
	705/78;			
	713/201			

	С	P	2	3	4	5	lmage Doc. Displayed	РТ
6							US 6178409	
7							US 6163772	
8							US 6119105	
9							US 6072870	

	U	1	Document ID	Issue Date	Pages
10			US 6026379 A	20000215	133
11			US 6002787 A	19991214	43
12			US 6002767 A	19991214	153
13			US 5987132 A	19991116	145
14			US 5983208 A	19991109	128
15			US 5978840 A	19991102	116

	Title	Current OR
10	System, method and article of manufacture for managing transactions in a high availability system	705/34
11	Fingerprint analyzing and encoding system	382/125
12	System, method and article of manufacture for a modular gateway server architecture	705/79
13	System, method and article of manufacture for conditionally accepting a payment method utilizing an extensible, flexible architecture	705/77
14	System, method and article of manufacture for handling transaction results in a gateway payment architecture utilizing a multichannel, extensible, flexible architecture	705/40
15	System, method and article of manufacture for a payment gateway system architecture for processing encrypted payment transactions utilizing a multichannel, extensible, flexible architecture	709/217

	Current XRef	Retrieval Classif	Inventor	s
10	705/26; 705/27; 705/39		Haller, Daniel R. et al.	Ø
11			Takhar, Harinder S. et al.	⊠
12	705/26; 705/27; 713/153		Kramer, Glenn A.	Ø
13	705/26; 705/35; 705/39; 705/40; 705/44; 705/76; 705/79		Rowney, Kevin T. B.	⊠
14	705/21; 705/44		Haller, Daniel R. et al.	
15	705/53; 705/79		Nguyen, Trong et al.	

	С	P	2	3	4	5	lmage Doc. Displayed	РТ
10							US 6026379	
11							US 6002787	
12							US 6002767	
13							US 5987132	
14							US 5983208	
15					Π.		US 5978840	

	U	1	Document ID	Issue Date	Pages
16			US 5943424 A	19990824	150
17			US 5931917 A	19990803	119
18			US 5889863 A	19990330	147
19	×		US 5864623 A	19990126	21
20	⊠		US 5850446 A	19981215	145
21	⊠		US 5812668 A	19980922	146

	Title	Current OR
16	System, method and article of manufacture for processing a plurality of transactions from a single initiation point on a multichannel, extensible, flexible architecture	705/64
17	System, method and article of manufacture for a gateway system architecture with system administration information accessible from a browser	709/250
18	System, method and article of manufacture for remote virtual point of sale processing utilizing a multichannel, extensible, flexible architecture	705/76
19	Authentication system for driver licenses	340/5.86
20	System, method and article of manufacture for virtual point of sale processing utilizing an extensible, flexible architecture	705/79
21	System, method and article of manufacture for verifying the operation of a remote transaction clearance system utilizing a multichannel, extensible, flexible architecture	705/79

	Current XRef	Retrieval Classif	Inventor	S
16	380/29; 380/30; 705/26; 705/70; 705/76; 705/79		Berger, David A. et al.	\boxtimes
17	709/203; 709/216		Nguyen, Trong et al.	
18	705/26; 705/39; 705/40; 705/44; 705/77		Weber, Jay C.	×
19	235/380		Messina, Kevin M. et al.	
20	380/59; 705/26; 713/153		Berger, David A. et al.	
21	705/16; 705/21; 705/75; 902/22		Weber, Jay C.	

	С	P	2	3	4	5	lmage Doc. Displayed	PT
16							US 5943424	
17							US 5931917	
18							US 5889863	
19							US 5864623	
20							US 5850446	
21							US 5812668	

	U	1	Document ID	Issue Date	Pages
1			US 6519037 B2	20030211	157
2			US 6373573 B 1	20020416	167
3			US 6362888 B1	20020326	154
4			US 6249348 B1	20010619	153
5			US 6246479 B1	20010612	154

	Title	Current OR
1	Spectrometer having optical unit including a randomized fiber optic implement	356/419
2	Apparatus for measuring optical characteristics of a substrate and pigments applied thereto	356/419
3	Spectrometer assembly	356/419
4	Integrated spectrometer assembly and methods	356/419
5	Integrated spectrometer assembly and methods	356/419

	Current XRef	Retrieval Classif	Inventor	S
1	250/226; 356/416		Jung, Wayne D. et al.	\boxtimes
2	347/19; 356/71		Jung, Wayne D. et al.	×
3	250/226; 356/416		Jung, Wayne D. et al.	Ø
4	250/226; 356/416; 356/71		Jung, Wayne D. et al.	
5	250/226; 356/416; 356/71		Jung, Wayne D. et al.	×

	С	P	2	3	4	5	lmage Doc. Displayed	PT
1							US 6519037	
2							US 6373573	
3							US 6362888	
4							US 6249348	
5							US 6246479	

L '	Hits	Search Text	DB	Time stamp
Number				
1	0	bootlegg\$ and recording and digital and	USPAT;	2003/03/24
		edit\$	EPO; JPO	09:56
5	3	bootleg\$ and recording and digital and	USPAT;	2003/03/24
		edit\$	EPO; JPO	10:31
9	112	counterfeit and recording and digital and	USPAT;	2003/03/24
		track and file	EPO; JPO	10:43
13	21	(counterfeit and recording and digital and	USPAT;	2003/03/24
		track and file) and parses	EPO; JPO	10:37
17	5	(counterfeit and recording and digital and	USPAT;	2003/03/24
		track and file) and edit\$ and mixer	EPO; JPO	10:43
21	969	recording and digital and track and file	USPAT;	2003/03/24
		and edit\$ and mix\$ and storage	EPO; JPO	10:51
26	34	(recording and digital and track and file	USPAT;	2003/03/24
		and edit\$ and mix\$ and storage) and	EPO; JPO	10:55
		((multiple or plurality) near2 (recording		
		adj (media or medium or disk or disc)))		
22	268	(recording and digital and track and file	USPAT;	2003/03/24
		and edit\$ and mix\$ and storage) and	EPO; JPO	11:08
		(recording adj (media or medium or disk		
		or disc))		
30	0	recoding adj live adj (concert or	USPAT;	2003/03/24
		performance or event)	EPO; JPO	11:10
34	2	recoding adj (concert or performance or	USPAT;	2003/03/24
		event)	EPO; JPO	11:11

	U	1	Document ID	Issue Date	Pages
1			US 6529682 B 1	20030304	75
2			US 6515956 B2	20030204	18
3			US 6483602 B1	20021119	97
4			US 6480828 B1	20021112	74
5			US 6459511 B1	20021001	96
6			US 6453113 B1	20020917	20

	Title	Current OR
1	Information recording medium, apparatus and method for performing after-recording on the recording medium	386/95
2	Optical recording medium, reproducing apparatus, and recording and reproducing apparatus therefor	369/112.17
3	Laboratory system, method of controlling operation thereof, playback apparatus and method, film image management method, image data copying system and method of copying image data	358/1.16
4	Information recording medium, apparatus and method for performing after-recording on the recording medium	704/500
5	Laboratory system, method of controlling operation thereof, playback apparatus and method, film image management method, image data copying system and method of copying image data	358/506
6	Editing apparatus and editing method	386/54

	Current XRef	Retrieval Classif	Inventor	S
1	386/125; 386/96; 386/98		Okada, Tomoyuki et al.	⊠
2	369/284; 369/288		Tamada, Sakuya	⊠
3	358/404; 358/444	·	Haneda, Norihisa	⊠
4	386/105; 386/124; 386/52; 704/278; 704/501		Okada, Tomoyuki et al.	⊠
5	358/302; 396/311		Haneda, Norihisa	×
6	386/125; 386/55; 386/96		Sakai, Seiichi et al.	☒

	С	P	2	3	4	5	lmage Doc. Displayed	PT
1							US 6529682	
2							US 6515956	
3							US 6483602	
4							US 6480828	
5							US 6459511	
6							US 6453113	

	U	1	Document ID	Issue Date	Pages
7			US 6449221 B1	20020910	95
8			US 6385690 B1	20020507	46
9			US 6374037 B1	20020416	78
10			US 6249644 B1	20010619	58
11			US 6243350 B1	20010605	110
12			US 6243171 B1	20010605	97

	Title	Current OR
7	Storage media for optical storage systems	369/13.35
8	Recording method, managing method, and recording apparatus	711/103
9	Information recording medium apparatus and method for performing after-recording on the recording medium	386/95
10	Electronic filing system capable of recording image reproduced from developed film	386/130
11	Optical storage systems with flying optical heads for near-field recording and reading	369/126
12	Laboratory system, method of controlling operation thereof, playback apparatus and method, film image management method, image data copying system and method of copying image data	358/1.15

	Current XRef	Retrieval Classif	Inventor	s
7	369/13.4; 369/283; 369/286; 428/64.3; 428/694ML		Knight, Gordon R. et al.	⊠
8	707/200; 707/205; 711/112; 711/4		lida, Kenichi et al.	⊠
9	386/125; 386/96		Okada, Tomoyuki et al.	☒
10	348/96; 348/97		Inoue, Manabu et al.	⊠
11	369/112.24; 369/44.23; 369/44.24		Knight, Gordon R. et al.	⊠
12	355/40; 358/487; 396/429		Haneda, Norihisa	\boxtimes

	С	P	2	3	4	5	Image Doc. Displayed	PT
7							US 6449221	
8							US 6385690	
9							US 6374037	
10							US 6249644	
11							US 6243350	
12							US 6243171	

	U	1	Document ID	Issue Date	Pages
13			US 6215746 B1	20010410	73
14			US 6211974 B1	20010403	98
15			US 6181871 B1	20010130	54
16			US 6144797 A	20001107	207
17			US 6112010 A	20000829	96
18			US 6072936 A	20000606	44
19			US 6031573 A	20000229	210

	Title	Current OR
13	Information recording medium, information recording method and apparatus, and information playback method and apparatus	369/53.2
14	Laboratory system, method of controlling operation thereof, playback apparatus and method, film image management method, image data copying system and method of copying image data	358/527
15	Machine-readable data medium having interactive reproduction procedures with prohibition information, a reproduction apparatus and method of interacting	386/95
16	Intelligent video information management system performing multiple functions in parallel	386/46
17	Still picture system for high speed reproduction	386/95
18	Picture synthesizing apparatus and recording medium	386/95
19	Intelligent video information management system performing multiple functions in parallel	375/240.16

	Current XRef	Retrieval Classif	Inventor	S
13	369/53.41; 386/95		Ando, Hideo et al.	\boxtimes
14	348/526; 358/526		Haneda, Norihisa	\boxtimes
15	386/125		Saeki, Shinichi et al.	
16	386/117; 386/52; 386/64		MacCormack, David Ross et al.	×
17	386/126		Koyama, Noboru et al.	×
18	386/69		Koyama, Noboru	×
19	348/154; 386/6		MacCormack, David Ross et al.	×

	С	P	2	3	4	5	lmage Doc. Displayed	PT
13							US 6215746	
14							US 6211974	
15							US 6181871	
16							US 6144797	
17							US 6112010	
18							US 6072936	
19							US 6031573	

	U	1	Document ID	Issue Date	Pages
20			US 6011897 A	20000104	102
21			US 5875305 A	19990223	213
22			US 5862342 A	19990119	208
23			US 5822542 A	19981013	209
24			US 5822533 A	19981013	57
25			US 5761369 A	19980602	20
26			US 5647047 A	19970708	34
27			US 4839745 A	19890613	36
28			US 4789961 A	19881206	50

	Title	Current OR
20	Still picture system for high speed reproduction	386/95
21	Video information management system which provides intelligent responses to video data content features	709/231
22	Intelligent video information management system with information archiving capabilities	709/231
23	Electronic and structural components of an intelligent video information management apparatus	709/247
24	Information tracing system and information tracing method	709/224
25	Video system using two different kinds of recording media	386/46
26	System for editing video reproduced from a plurality of recording media at high speed	386/52
27	Computer memory back-up	386/113 ·
28	Computer memory back-up with automatic tape positioning	360/72.1

	Current XRef	Retrieval Classif	Inventor	S
20	386/126		Koyama, Noboru et al.	☒
21	348/262; 348/588		Winter, Gerhard Josef et al.	⊠
22	348/237; 360/27; 360/32		Winter, Gerhard Josef et al.	×
23	348/317; 348/700; 348/715		Smith, Gordon W. et al.	⊠
24	709/238		Saito, Kazuo et al.	⊠
25	386/68		Yoshimura, Katsuji et al.	⊠
26	386/68		Nagasawa, Fumihiro	☒
27	360/32; 714/710		Tindall, Robert J.	☒
28	360/74.1		Tindall, Robert J.	⊠

	С	P	2	3	4	5	lmage Doc. Displayed	PT
20							US 6011897	
21							US 5875305	
22							US 5862342	
23							US 5822542	
24							US 5822533	
25							US 5761369	
26							US 5647047	
27							US 4839745	
28							US 4789961	

	U	1	Document ID	Issue Date	Pages
29			US 4746991 A	19880524	45
30			US 4724495 A	19880209	34
31			US 4652944 A	19870324	37
32			US 4577240 A	19860318	35
33			US 3748381 A	19730724	49
34			US 3740463 A	19730619	49

	Title	Current OR
29	Recording characteristic evaluation of a recording medium with a time sequence of test signals	386/25
30	Digital formatter, controller, and head assembly for video disk recording system, and method	360/22
31	Computer memory back-up	386/84
32	Multiple zone multiple disk video recording system	360/22
33	IMPROVED EDITING SYSTEM	386/54
34	IMPROVED EDITING SYSTEM	386/54

	Current XRef	Retrieval Classif	Inventor	S
29	360/31; 369/53.36		Efron, Edward et al.	\boxtimes
30	360/32; 360/48; 360/70; 360/78.12; 386/124; 386/125; 386/93		Hedberg, David J. et al.	×
31			Tindall, Robert J.	
32	360/31; 360/32; 360/78.12; 360/98.01; 386/121; 386/124; 386/125		Hedberg, David J. et al.	⊠
33			Strobele, Caljon H. et al.	☒
34	386/60		Youngstrom, Jerry R. et al.	⊠

	С	P	2	3	4	5	lmage Doc. Displayed	PT
29							US 4746991	
30							US 4724495	
31							US 4652944	
32							US 4577240	
33							US 3748381	
34							US 3740463	

L Number	Hits	Search Text	DB	Time stamp
1	1990	live adj performance	USPAT; EPO; JPO	2003/03/24 11:27
5	68	(live adj performance) and recording and editing	USPAT; EPO; JPO	2003/03/24 11:28
9	54	((live adj performance) and recording and editing) and digital and track	USPAT; EPO; JPO	2003/03/24 11:28
13	48	(((live adj performance) and recording and editing) and digital and track) and (media or medium)	USPAT; EPO; JPO	2003/03/24 11:29

	U	1	Document ID	Issue Date	Pages
1			US 6536037 B1	20030318	328
2			US 6519571 B1	20030211	325
3			US 6473794 B1	20021029	328
4			US 6427140 B1	20020730	315
5			US 6421692 B1	20020716	38
6			US 6395969 B1	20020528	11
7	Π.		US 6389402 B1	20020514	315
8			US 6386985 B1	20020514	18

	Title	Current OR
1	Identification of redundancies and omissions among components of a web based architecture	717/151
2	Dynamic customer profile management	705/14
3	System for establishing plan to test components of web based framework by displaying pictorial representation and conveying indicia coded components of existing network framework	!
4	Systems and methods for secure transaction management and electronic rights protection	705/80
5	Object-oriented multimedia [data routing system] presentation control system	715/500.1
6	System and method for artistically integrating music and visual effects	84/477R
7	Systems and methods for secure transaction management and electronic rights protection	705/51
8	Virtual Staging apparatus and method	472/75

	Current XRef	Retrieval Classif	Inventor	S
1	703/2; 709/231		Guheen, Michael F et al.	⊠
2			Guheen, Michael F. et al.	⊠
3	709/224		Guheen, Michael F. et al.	\boxtimes
4	705/53; 713/193		Ginter, Karl L. et al.	⊠
5	345/716; 345/764		Milne, Steven H. et al.	⊠
6			Fuhrer, John Valentin	⊠
7	380/201; 705/1; 705/37; 705/53; 705/57; 705/80		Ginter, Karl L. et al.	
8	345/581		Rackham, Guy Jonathan James	×

	С	P	2	3	4	5	lmage Doc. Displayed	PT
1							US 6536037	
2							US 6519571	
3							US 6473794	
4							US 6427140	
5							US 6421692	
6							US 6395969	
7							US 6389402	
8							US 6386985	

	U	1	Document ID	Issue Date	Pages
9			US 6377962 B1	20020423	39
10			US 6377281 B1	20020423	41
11			US 6363488 B 1	20020326	314
12			US 6353169 B1	20020305	28
13			US 6343313 B1	20020129	58
14			US 6253193 B1	20010626	320
15			US 6237786 B1	20010529	316

	Title	Current OR
9	Software program for routing graphic image data between a source located in a first address space and a destination located in a second address space	715/515
10	Live performance control of computer graphic characters	345/700
11	Systems and methods for secure transaction management and electronic rights protection	713/201
12	Universal audio communications and control system and method	84/600
13	Computer conferencing system with real-time multipoint, multi-speed, multi-stream scalability	709/204
14	Systems and methods for the secure transaction management and electronic rights protection	705/57
15	Systems and methods for secure transaction management and electronic rights protection	213/153

	Current XRef	Retrieval Classif	Inventor	S
9	345/541		Tindell, James Michael et al.	×
10	345/473; 345/706; 715/500.1		Rosenbluth, Steven et al.	×
11	705/14; 705/53		Ginter, Karl L. et al.	×
12	369/4; 370/420; 381/118; 84/645		Juszkiewicz, Henry E. et al.	Ø
13	345/751; 345/752; 345/753; 709/203; 709/205; 709/242		Salesky, Joseph et al.	⊠
14	705/52		Ginter, Karl L. et al.	×
15	380/203; 705/51; 705/58		Ginter, Karl L. et al.	×

	С	P	2	3	4	5	lmage Doc. Displayed	PT
9							US 6377962	
10							US 6377281	
11							US 6363488	
12							US 6353169	
13							US 6343313	
14							US 6253193	
15							US 6237786	

	U	1	Document ID	Issue Date	Pages
16			US 6150598 A	20001121	72
17			US 6150597 A	20001121	24
18			US 6140568 A	20001031	42
19			US 6140565 A	20001031	40
20			US 5982891 A	19991109	315
21			US 5949876 A	19990907	318
22			US 5936643 A	19990810	37
23			US 5917912 A	19990629	319

	Title	Current OR
16	Tone data making method and device and recording medium	84/603
17	Method of arranging music with selectable templates of music notation	84/477R
18	System and method for automatically detecting a set of fundamental frequencies simultaneously present in an audio signal	84/616
19	Method of visualizing music system by combination of scenery picture and player icons	84/600
20	Systems and methods for secure transaction management and electronic rights protection	705/54
21	Systems and methods for secure transaction management and electronic rights protection	705/80
22	Method and apparatus for graphical data	345/541
23	System and methods for secure transaction management and electronic rights protection	713/187

	Current XRef	Retrieval Classif	Inventor	S
16	84/626; 84/629		Suzuki, Hideo et al.	×
17	84/DIG.6		Kakishita, Masahiro et al.	×
18	84/654		Kohler, Joseph Louis	×
19	84/477R; 84/612; 84/622; 84/633; 84/636; 84/DIG.6		Yamauchi, Akira et al.	×
20	705/26; 713/167		Ginter, Karl L. et al.	⊠
21	705/1; 705/39; 705/54		Ginter, Karl L. et al.	☒
22			Tindell, James Michael et al.	⊠
23	705/40; 709/312; 713/164		Ginter, Karl L. et al.	⊠

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24			US 5915019 A	19990622	317
25			US 5910987 A	19990608	311
26			US 5902949 A	19990511	53
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28			US 5864868 A	19990126	19
29			US 5848291 A	19981208	37
30			US 5792971 A	19980811	40
31			US 5773742 A	19980630	40

	Title	Current OR
24	Systems and methods for secure transaction management and electronic rights protection	705/54
25	Systems and methods for secure transaction management and electronic rights protection	705/52
26	Musical instrument system with note anticipation	84/609
27	Systems and methods for secure transaction management and electronic rights protection	713/200
28	Computer control system and user interface for media playing devices	707/104.1
29	Object-oriented framework for creating multimedia applications	715/500.1
30	Method and system for editing digital audio information with music-like parameters	84/609
31	Note assisted musical instrument system and method of operation	84/609

	Current XRef	Retrieval Classif	Inventor	s
24	705/26; 705/400; 713/200		Ginter, Karl L. et al.	
25	705/30		Ginter, Karl L. et al.	×
26	84/645		Mohrbacher, Bernard	×
27	713/201		Ginter, Karl L. et al.	×
28	84/609; 84/610; 84/622		Contois, David C.	×
29	345/709		Milne, Steven H. et al.	×
30	369/83; 700/87; 84/603; 84/604; 84/626		Timis, Dan et al.	×
31	84/477R; 84/613; 84/627; 84/DIG.22		Eventoff, Franklin et al.	☒

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33			US 5693903 A	19971202	22
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39			US 5479351 A	19951226	10
40			US 5448287 A	19950905	11
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	Title	Current OR
32	Method for streaming transmission of compressed music	84/622
33	Apparatus and method for analyzing vocal audio data to provide accompaniment to a vocalist	84/668
34	Electronic musical instrument with sampling and comparison of performance data	84/609
35	Automated accompaniment apparatus and method	84/610
36	Object-oriented audio record/playback system	715/500.1
37	Performance recording and playback apparatus	84/602
38	Multimedia player component object system	710/316
39	Time-keeping system and method for synchronizing independent recordings of a live performance in post-recording editing	701/215 ⁻
40	Spatial video display system	348/39
41	Object-oriented audio system	381/119

	Current XRef	Retrieval Classif	Inventor	s
32	84/645		France, Gordon Scott et al.	×
33	84/609; 84/636; 84/645		Heidorn, Allen J. et al.	×
34	84/603		Mohrbacher, Bernard	×
35	84/612; 84/634; 84/666		Paulson, John W. et al.	⊠
36			Milne, Steven H. et al.	⊠
37	348/460; 348/462; 348/484; 84/645		Murakami, Kazuo et al.	×
38	715/500.1		Milne, Steven H. et al.	⊠
39	348/515; 352/12; 701/200; 701/35		Woo, Arthur et al.	⊠
40	348/36; 348/48		Hull, Andrea S.	⊠
41	345/727; 703/20		Milne, Steven H. et al.	Ø

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36							US 5544297	
37							US 5523525	
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43			US 5346046 A	19940913	21
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46			US 5212733 A	19930518	51
47			US 5142961 A	19920901	17
48			US 5040081 A	19910813	16

	Title	Current OR
42	Object oriented framework system for routing, editing, and synchronizing MIDI multimedia information using graphically represented	707/103R
43	Automation control with improved operator/system interface	192/142A
44	Musical instrument performance system	84/726
45	Automation control with improved operator/system interface	700/83
46	Sound mixing device	381/119
47	Method and apparatus for stimulation of acoustic musical instruments	84/726
48	Audiovisual synchronization signal generator using audio signature comparison	386/66

	Current XRef	Retrieval Classif	Inventor	S
42	707/104.1; 715/500.1		Tobias, II, John C. et al.	⊠
43	188/82.3; 188/82.7; 40/524; 40/550; 700/83; 74/10.2		Peters, John M.	⊠
44	84/11; 84/3; 84/603		Paroutaud, Fred	⊠
45			Peters, John M.	☒
46	345/727; 345/839; 345/978		DeVitt, Douglas J. et al.	⊠
47	84/2; 84/3; 84/645; 84/725; 84/738; 84/743		Paroutaud, Fred	×
48	386/96		McCutchen, David	⊠

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46							US 5212733	
47							US 5142961	
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